R. M. WHITE, Editor and Proprietor.

[\$1.50 PER YEAR. IN ADVANCE

MEXICO, MISSOURI, THURSDAY, DECEMBER 29, 1892.

To Our Pride in the Past and Our Rope for the Future, Let Us Add Vigorous Work in the Living Present.

The Farmers' Institute.

SAMPLE COPY FREE. VOL. XXXIV.

A FULL REPORT OF THE THREE DAYS food that the shallow rooted plants clover hay dry to horses?" SESSION HELD IN MEXICO.

Men Well Versed in Agricultural Science Talk to Farmers-Despite the Popular Notion the Institute was Conducted by Men Who are Practical Farmers.

The Farmers' Institute, where farmers meet and exchange ideas met open here last week. The meeting was called to order Wednesday by J. A. Potts and concluded its work here Friday night. This is the last institute to be held in the State this winter. The work is a good one and the benefits are manifold. The paramount idea is to get disseminated throughout the State a knowledge and broadness of ideas regarding of the states have such laws. farming that will assist in making this the foremost State in agriculturon a spot of ground where only one was among the early arrivals. grew before would deserve better of mankind and do more essential

Board of Agriculture.

tors were present in the afternoon of the opening and an informal session was held, complete organization to be arrived at later.

A. J. Blake, of Colman's Rural World, opened the meeting with a short talk on underdraining. He spoke of the efforts made in Barton. Green, Lafavette, Johnson and other counties to tile all lands where water gathered and stood in the wet season. His plan was to lay the tiling under all flat lands and low lands. Great difficulties are experienced in hard pan land, where the impervious layer of hard pan is close to the soil. It begins to break down and become pliable when opened up by tiling, letting the air in and water out. There is much plant strength in this hard pan if it is handled properly. The process is slow in be drained. A very little fall will plant.

Thay neglect to read agricultural months. He cannot afford to feed was a cold blooded animal.

The drage is the first thing in the construction of roads. If the grade is steep the water will wash the soil laving tile take long stick and fit a not for the mind. ten-inch pin near the end of it so as to form a right angle. You can use

Immediately after heavy rains brute force. you can work land thus tiled. And it has been proved that tile drained soil holds in suspension more moisture during the summer than the untiled. Get rid of surplus water and you get rid of ma-

draw a few feet on each side at first. up soil over hard pan than else-

manage to get it out. Question: Is it advisable to put lous and very thrifty.

with one 12 inch tile in a depression. must be made to fit the other. Food should not be wet or cut up, the reverse."

Question: How is the outlet kept

Answer: Just let it run: it will not freeze in the winter. Question: Suppose rats get in the tiling till they can't turn around?

Answer: Let them back out. Secretary Chubbuck: There is a plan on foot to get state drainage law to allow a man to find an outlet through another man's land. Some

The hall was very cold and the crowd small, so an adjournment al matters in the union. The words was taken until 7 o'clock in the of the great Swift are still true: evening. Each train brought in "Whoever can make two ears of new arrivals during the afternoon. corn or two blades of grass grow up. State Veterinarian Tom J. Turner WEDNESDAY EVENING.

Mrs. Helen Laughlin of College that is necessary to the growth of a can be fattened by one method of service to his country than the Springs, Iowa, read a paper imme- good crop. whole race of politicians put togeth diately after the session was called have been held in the State-one in Farming." Mrs. Laughlin told of the northern, one in the central and the farming she had seen in the out of clover. What we want to do bushels of corn will put the first one in the southern tier of counties. west since the time when she chased is to kill or destroy those weeds on 100 pounds on young pigs, but it The work of the three is done and the rural youth along the high road of the field that take from the strength takes eight bushels to put on the they have all united to make the knowledge with a birch in her hand. of the crop. I don't believe that second 100 pounds. Therefore final round-up at Mexico. The She thought she had seen a great the energies of the soil evaporate. handling young animals pays best. three days institute here will be foldeal of the evils that beset western The soil is the greatest absorbent we Different feeds have different comlowed by a meeting of the State farmers and pronounced the great-have." est of these the desire on the part of Only a few farmers and instruc- western farmers for farming a great that the clean cultivation of the soil foods had the same composition or



Mrs. Helen Laughlin.

the hard pan soil, but nevertheless deal more land than they can well sure. The drains must be laid along take care of. According to her idea depressions such as are found in all the farmers text is: "Work more fields. Mr Blake's first experience hours to get more money to get grows poorer and cultivated land was in draining little cat tail pools more land to get more money in Ohio. He put in drains and then to get more land." The farmers plowed right over the pools and don't sufficiently inform themselves found them more fertile than any and don't as a rule give their child- J. L. Erwin, of Fulton, who gave an eaten a thing from August until other part of the field. In putting ren enough education. A man may instructive talk on stock feeding. He the following January. When a in tile it should be carefully laid raise good fruit without knowing believes in the judicious mixing of mouse was put in its cage it would with regard to fall. Make outlet as Horace, but he can also raise more foods and thinks the best results are die of fright at the flashing eyes and money. Our roads are not located deep as possible. The deeper the corn if he knows something of the obtained thereby. One cannot aftile is put the more land that can nature and construction of the corn ford to keep a pig more than nine inside of an hour, but the snake was Grade is the first thing in the con-

throw dirt all one way. Don't use papers. She thought enough fertili- corn by itself and he can't afford to warm blooded animal would have and material away. Up a grade of the plow. Use long bladed ditch- zers were wasted on the farm to in- feed ship stuff at \$1.25 per hundred burned itself up in that time, using one foot in ten a team can pull ing spades. Don't buy poor tiling crease its productiveness 25 per if he did not gain thereby. But he the fat, flesh and fibre of its own about 25 bushels. With a grade of for you'll have to dig it up again to cent. if wisely used. This thing of gains more per month in the gain of frame to feed the flame that is ever one foot in twenty the team will remove broken pieces. Construct shallow cultivation that we hear so his hogs and calves in weight. Corn burning. So does the steer or hog pull twice that much. The model ditch narrow as it saves labor. For much of is a good thing for corn but does not contain the elements that use up its own body to feed the fire road in the country is not always a

Mr. J. L. Erwin discussed the corn is fed there is much fat and little food. paper: "In line with Mrs. Laugh- thereby loss. Stock increases in "In feeding our stock we may rethis to reach the tiling down into the lin's thought I must speak of what weight faster on a mixture of corn, turn to the soil from 90 to 95 per cessary to turn a road at right ditch, one at a time. It is better to Prof. Smith said of the two methods bran and ship stuff than on any othput bits of tin or tarred paper over the of extracting molasses from sor- er food. One must get the hogs may live on the produce of the soil joints before filling in the dirt. ghum. Under the old plan we got ready for market in nine months without robbing the fields of much Don't put your farm hand at work 40 per cent. of the sweetness out of and the calves in thirty. All the of their worth." on it. Do it yourself. It will the stalk; now we go through a time they stay on hands after that With a chart Mr. Waters illusbe better done. In building branches longer process and get 98 per cent. they are eating into the profits and trated the different amounts of use smaller tiling—two, three and The ablest chemists of the country sometimes deeper than that. So it essential plant food in all farm four inch tiling and six for the main are employed in learning where can be plainly seen that the food growths. The worth of all stock lowing the level around the foot and stem. Don't let the lines intersect waste is and in finding a way to that makes the fastest growth, even foods depends on its manurial at a right angle, but at a sharp consume all the properties that can if a little more expensive, is the best value, and this is best seen illusangle. Water will run from the be used. As yet we are in our in- for the farmer's pocket. outlet all the year. There put in a fancy; we know practically nothing trough and you have fine stock because we do not bring our minds food it takes to produce a pound of certain kinds of food. Linseed and under-drainage is the remedy. Se-

Clover will grow better on this land. by the same process as used ten grow better in the West is because of the ground. To follow the ex- or 3 feet. years ago, the demand could not be poor shelter is furnished, thus mak- ample of advanced agricultural "Seventeen years ago I under

asses will a ton of cane make?

saved the hay of a 60 acre field by should have good water. With these in stable manure. taking about 18 head of stock off it things the young stock will put on .Mr. Erwin: "Would like to call ered with a little hay and straw

rotation of crops. He had just been flesh then a big one, but the little plantfood as are soluble in water." "Make no narrow ditches along Answer: Perhaps so; there is over the southern part of the State. one will beat the big one in a warm Mr. Waters: "Soil full of vege- the sides of you roads. Broad ones much fertility in our clay soils if we He found a capability of production place, because in the open air it table mold holds the moisture in will not cut away, but narrow ones that will make it a country propu- takes more food to keep piggy warm suspension better."

Answer: A man told me the sitions of different soils and the tered place piggy will grow faster be- such ground."

feeding in 600 days and by another J. L. Erwin: "I don't think in 900 days, 50 per cent. was lost o order Wednesday evening upon that cultivation adds to the fertility there. One hundred pounds of flesh The Weak Points in Western of the soil. I doubt the notion that can be put on yearlings 25 per cent. we want to make a renovating crop cheaper than on 3 year olds. Five

Mr. Waters: "Do you believe have different needs. He said if all

position-and different animals

all animals had the same needs,

Mr. Erwin: "I do not; it would then the question would present no have no effect for good or bad. The problem whatever, but to satisfy the best results we get are in the gar- different requirements of animals den, where we simply hoe the weeds by the varying composition of foods to prevent the weeds from gaining comprises the skill of intelligent the strength that we want to go into stock feeding, all of which is certhe plant we are cultivating It is tainly true when viewed preperly. like feeding the pigs at a trough and After showing the different composiletting the old sow come along and tion of plants and what certain anidrink up all the pigs' milk."

without planting would exhaust the the daily maintainance and showed strength is carried down by the soak- have food first for heat and force Mr. Erwin: "Go to the plains excess or growth, this daily ration of New Mexico and you find that as should be required as few days as soil and it is the most productive daily ration is greater in larger and land in the world, and still this soil older animals, hence young animals

evaporation for years and years." less pounds of food given than older-A. J. Blake: "It is a saving as and larger ones. This position was old as time is that unused land fortified by statistics given. better all the time."

THURSDAY MORNING.

This session was opened by Mr. "I saw a rattlesnake that had not

The older an animal is the more ter gets a rebate if he feeds stock

the growth should be rapid. ing it necessary for the animal to use countries we must feed such mater-drained a piece of road. It was a ing the work. Q: How many gallons of mo- up all the food given them in keep- ial as is of most value to the land. place which was utterly impassable. ing them warm and thus not increas- The most valuable of these are lin- I drained it with pin oak poles. ing their weight a pound. Good shel- seed meal, wheat bran and clover laid two side by side, and covered work was needed, that each county drum. Mr. McIlvain told how he had ter produces a saving in feed. They hay. There is a great deal of value with one-half of a third one split for Mr. G. W. Waters then spoke of pig out in the cold will put on less can only take up such parts of the ter piece of road in Callaway county. because he is so thin that the wind Mr. Erwin: "I think clover does of loss is the ownership of tools by

with one 12 inch tile in a depression. Question: Is it true that soft burned tiles are better for some soils?

Answer: I don't believe it.

Question: How deep should one go?

Answer: The deeper you go the more it will drain.

In the weather and rust away. The work should be done by a contractor, and the other: to constant the soil of the other: to constant the other. L. K. Kirk of Wellaville: "I agree with Mr. Erwin, but think the congrue of the each township should be done by a contractor and he should furnish the tools. I would use a heavy roller and the "high" agree with Mr. Erwin, but think the work the progrees of the should themorement. When the reads that it wants built with the monept that each township sives."

In the weather and rust away. The work should be done by a contractor and he should furnish the tools. I would use a heavy roller and the "high" agree with Mr. Erwin, but think the work to flow the progrees of the second or the should themorement of the work bent with the work to low the the monept that agree with Mr. Erwin but the seco burned tiles are better for some cultivate it is to expose it to the air. animals to chew their food, and agree with Mr. Erwin, but think

Mr. Waters: "My experies

Mr. J. L. Erwin

"In the State there is now ex repair and construction and yet we can see no good which comes of it. We have allowed things to go on in ter of course that they must go that way. We are now pulling through mud thrown up for us by the road overseers. Every winter the rains mals require, the speaker then took are carrying away the soil of which

Mr. Waters: "The cultivation up the next step, which related to the roads should be made. "We must have competent road soil and make it worthless. Its very clearly that as an animal must Commission to lay out and super ing water and up by evaporation." purposes before it would lay up any Commission should utilize pena intend the construction. The State labor in construction of roads and soon as water is turned on the arid possible, hence early maturity. This bridges. County courts should be allowed to appoint a county road overseer, a civil engineer if possible has gone through the process of will add pounds to their weight for to devote his whole time to the improvement of roads. He should divide the county into road districts. and the contractor should be paid only when so many measured miles Mr. Waters made this striking ilof road had been placed in good lustration of the difference between

the warm and cold blooded animals. "The poll tax and the county tax should go into the hands of the treasurer and be paid out only upon go to make lean meat and so if only when it is not sheltered and has but straight road. The roads should be allowed to conform to the topogangles to preserve the symmetry of

must make roads just like the railroads with cuts and fills, if we preserve the present location of our roads. This can be avoided by folalong the water courses of the hills.

"Drainage and under-drainage are trated in England, where every rento bear instead of trying to use mere flesh. This is another reason why cotton seed meal are used there to a lect the lowest point and cut lengthgreat extent for feeding. They wise of the road bed and place "Suppose iron and steel were made One reason why stock does not build muscle and increase fertility 3 inch tile in it to the depth of 2%

He spoke of the different compo- cools him off fast, but in the shel- not grow so well in its first year in the county. The county should

oats. Their roots only go a few day to eat its meals, but that is all inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be borowed at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be proved at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% inches. We tried it the money could be money at 3% i

public and the rights of the public bonding of the counties and the emshould be invariably respected. I ployment of good and competent have found in my locality that a heads to the work. good graveled road has doubled the value of farms adjoining it.

"A few of us made assessments upon our farms to gravel a road. consider that I get that much back every year. We can go to town every day of the year and sell our of road making.

"Tornadoes are always preceded by a hot stifling air, and are caused by the over heated air on the surface of the earth rising and the cold air from the outside of the heated space rushing in to take its place. They are not to take its place. They are not expenses and are not ex-My assessment was \$300 and I cannot get through the mud to ence, member of the state board,

antee the bonds of any county desir- building of pikes and the introducous of entering upon a system of tion of the toll system. He thought road improvements. The idea of the problem of limestone was solvbonds frightens a good many of us, ed since the railroad companies have Education." He said in opening human family, causing tumors. It and yet such an issue would be gone to burning gumbo and hard warranted for the construction of pan. Where these good roads were warranted for the construction of pan. Where these good roads were siderable opposition while others have disease. All diseased animals should

"Missouri has asked for \$20,000,-

tile in the middle of the road. 000 from the national treasury to put into the Missouri river. Twenty million dollars would build a gravel road north and south through every county seat in the State. The roads would certainly have been much first view of its new band. Of its more beneficial to the homes of Missouri than all the money every spent on the Missouri river." Mr. Richard Schell of Laddonia

contributed to the discussion in this wise: "It is all right enough to talk about what to do in building new roads, but what are we to do with roads that are already located? Nearly all the roads are located in organized and the little practice had. this county. Our wagon wheels throw up the dirt on each side and cornet and a good trainer. Nearly make ruts that hold the water. We all the members of the band have find that grades are thrown too not reached their majority. The high. I think draining is the all hearty welcome given them evincreconstruction. One overseer should Frank G. Head, piccolo; J. J. be given a large section where he is Weimer, flute; E. L. Williams, to work all the year around. We solo Bb clarinet; Percy Treloar, first want a man to look after the roads Bb clarinet; O. W. Harding, second and watch them. He should be Bb clarinet; John R. Gibbs, solo Bb well paid, so that we can get a good cornet; Will Treloar, first Bb cor-

"Our roads must be surface Thomas Cropper, second Bb cornet; roads, for we cannot cut down hills, A. J. Winscott, second Bb cornet; and even if we did we would get C. W. Staples, third Bb cornet down into the clay. The thing to John Owens, solo alto; Walter

"Six school districts should make French horn; Cheever Day, Eb saxa road district, as is the case in ophone: T. J Clendenin Jr., Bb in road making. For spongy ground Shelby county, where the roads saxophone; J. S. Lane, baritone are the best in the state. There saxophone; J. A. Weaver, barithey hire an overseer and assistants tone; J. M. Marshall, first tenor and pay them out of the county Charles Weaver, second tenor treasury."

L. L. Kirk believed in employing Clacher, slide trombone; Gus Stein-

"Seventeen years ago I under hander drained a piece of road. It was a place which was utterly impassable are linding the work.

I clover if will one-half of a third one split for the purpose. The poles were covered with a little hay and straw and covered with a little hay and straw and covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county, after in other waster in in the purpose. The poles were covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county, after in other waster in in the purpose. The poles were covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county, after in other waster in in the purpose. The poles were covered with non-half of a third one split for the purpose. The poles were covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county, after in or a better piece of road in Callaway county with one-half of a third one split for the purpose. The poles were covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county with one-half of a third one split for the purpose. The poles were covered with a little hay and straw and covered up. There is not a better piece of road in Callaway county. The county should not over a side of you roads. Broad ones it is not an antenuous as possible. He have the county and the weather bureau, Columbia, spending our time on detail. We must give the most of the successful should be successful the time of the weather bureau, Columbia, spending our time on detail. We must give weather charts, fac similes of those will not cut away, but narrow ones will no

Question: Isn't it easier to keep aud putting them on seven acres. | flesh all through the winter. A young attention to the fact that the plant and covered up. There is not a bet-

THURSDAY EVENING.

ed-the best attendance of the ses-

sion-the stage curtain arose and

allowed the people of Mexico the

net; T. E. Gentry, first Bb cornet;

Clay Brown, slide trombone: James

When the crowd had well gather-

By a judicious system of rotation the land is improved. By growing one crop for years it becomes income crop for years it becomes infested with insects. Where wheat is grown for years in a field the Hessian fly gets in, whereas it is never found in a field that has had clover found in a field that has had clover found in a field that has had clover in it for a year. A good plan is to give the land clover for one year then wheat for two, and so on. From the clover comes the vegetable mold the land clover for one year then wheat for two, and so on. From the clover comes the vegetable mold that has had clover for one year then wheat for two, and so on. From the clover comes the vegetable mold that has had clover for one year then wheat for two, and so on. From the clover comes the vegetable mold that has had clover for one year then wheat for two, and so on. From the clover comes the vegetable mold that has had clover for one year the land the remaining to your interest the land the remaining the work have the work that the work and not the land the work done or has ever into the two the work in the stilled the work and as over dirt. It costs 20 cents then market an area of corn and at those seasons of the the work and half of that for an acre of wheat. Over a macadam road it would only tage half the money. The League of American Wheelmen has been sending the public when the publi

"Maps are made at 7 a. m. and 7 p

money would be expended in the county. The property along the line of gravel roads should bear more of the expense than that somewhat removed from it.

"I am inclined to believe that we should accept from the federal government assistance in road building, I know it is unpopular but I am satisfied that it is the best thing we can do under the circumstances.

"Wissouri has asked for \$20,000." In the middle of the money would be expended in the past money and since and in the believed in getting good grades and in running roads straight through without and in Missouri that could not be benefited by tiling. The only corn he raised in the past wet season in Jackson county was asked for \$20,000. The liver fluke undergoes many and all questions. Those of you who have not heard or are not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will become co-advocates of this system and method of instructions. Those of you who have not heard or are not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will become co-advocates of this system and method of instructions. Those of you who have not heard or are not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will become co-advocates of this system and method of instructions. Those of you who have not heard or are not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will become co-advocates of this system and method I have a rate not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will become co-advocates of this system and method of instructions. Those of you who have not heard or are not fully acquainted with manual training, I beg to give me your undivided attention for I fear not but all of you will be come co-advocates of this system and method I have a a seed to thi

ent. "In view of this changes, which are

thirty members twenty-two were ranged in a semi-circle around the stage. They gave several selections. making more rapid strides every day, can any of you feel satisfied and conamong the number the touching tent to educate you children in book studies alone? Let me ask you a simhymn, "Let the lower lights be burning." Other hymns followed. The you can put a spring in an ordinary music was excellent. So much was mortise door lock? How many of you can locate the trouble in a binder or thresher and fix it? How many of lar to the bot fly of the horse. It you understand the workings of your thresher engine? How many of you really understand the workings of such an engine? How many of you realize the damage of running such an horse causes the bot of the horse causes the horse causes the bot of the horse causes horse causes the ho short time that the band has been Director Sellers is a master of the engine ignorantly or the number of lives you jeopard ze by such accident. "In view of these facts, does it not

edge of the same with the whys and wherefores all well answered in his mind; so that when he has a broken serious trouble. take them spart, locate and remedy the trouble; so that if he needs any small job of carpentering done, he can pull off his coat and do it, and is not

He discussed parasites as familiarly beads to the work.

Mr. McIntyre believed in a direct tax to pay for good roads and no bonds to be paid by posterity.

Mr. Potts was hopeful that the time is coming when the state will have better laws and the people will in the state will have better laws and the people will in the state will have better laws and the people will in the sent out by mail. These require but little study to be understood. Crop bulletins are made by the states and sent to Washington, where a national bulletin is prepared and sent out. These can be had at the post-office by asking for them and will give the farmer in the audience. He handled trichanse and all the other parasites as familiarly as if they were Irish potatoes and did not seem a bit disconcerted at the big and tangling questions that were asked him by the farmers in the audience. He handled trichanse and all the other parasites as familiarly as if they were Irish potatoes and did not seem a bit disconcerted at the big and tangling questions that were asked him by the farmers in the audience. He handled trichanse and all the other parasites as familiarly as if they were Irish potatoes and did not seem a bit disconcerted at the big and tangling questions that were asked him by the farmers in the audience. He handled trichanse and sent out. other ills that stock suffer from.

Dr. Turner presented first a picture of the fungus causing big jaw annot get through the mud to ence, member of the state board, told of the wonderful difference in farming in Kentucky since the public schools and should be a part of the course of study in all universities."

Mr. W. F. Hearne of Independing to take its place. They are not of frequent occurrence and are not expected of tener than once in two years. "Meteorology should be taught in the public schools and should be a part of the course of study in all universities."

They are red and club shaped, larger at one end than the other than once in two years. They are not of frequent occurrence and are not expected of tener than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. They are red and club shaped, larger at one end than the other than once in two years. Superintendent C. W. Marx of economy by means of abrasions to the Manual Training School of skin or mucous membrane of a Columbia discussed "Industrial carious tooth. They also affect the

should be well cooked as thereby the germ, if there be any, is killed. "The cradle and fiall have given place to the binder and thresher; the stage coach and prairie schooner to the locomtive and elegant Pullman parlor car; horse power and man powto steam and electricity.

"These are but a few of the many remarkable changes which have occurred within the last 25 years; yes, within the memories of every one present.

The period of invasion is the painful stage. When in great numbers these parasites cause improper assimilation and death. Germany is very prone to it because the people eat so much raw meat, hence the objection to American hogs. objection to American hogs.

"Gid" in sheen is the hydatid form of Tenia Cænurus of a dog. It is gotten from the eggs in the grass. "Gid" is another name for "Turn-

The Oestris Equus or Knit fly of The eggs are deposited on the limbs seem clear and rational to every one here that a man, in order that he may gains entrance to the horse's stomimportant question, but this plan of underdraining does not apply in this region. What we want is a smoothing process. Our road laws need hearty welcome given them evinction have the slightest hopes for success in whatever field he may wish to travel or be employed, must possess at least an acquaintance with the present current mechanical application.

A. J. Sellers, musical Director;

A. J. Sellers, musical Director;

The session was held in the County Court House. The first discussion was that of J. L. Erwin compelled to send for a man and wait a week or ten days to have a three or four hours' job done; so that if his harvester breaks down he can repair it he gave some of the reasons for this and their remedies. He said: "By ever realized the time lost on such an occasion? The whole working force must be laid off, the ponderous machine must be dragged to town, where probably several others are; your men and team wait until machine is done and the days go by for all of you know learners are the time during her. a larger number of small ones. "Does it not seem to everyone here Make the size of the dairy depend "Does it not seem to everyone here that it is high time for the educators of to-day to give at least some attention toward educating the mass of the people in the scientific and intelligent pursuit of the useful arts. Have you not realized how little attention is paid in our schools to anything appertaining to the useful. Does it not occur to you that an undue attention is as possible. You must be a minute

in but one drain?